

Top Cross Section: Double Loose SECVTX Tag ($\int \mathcal{L} dt = 1.9 \text{ fb}^{-1}$)

Sample	2 Jets	3 Jets	4 Jets	≥ 5 Jets
WW	0.5 \pm 0.1	0.5 \pm 0.1	0.2 \pm 0.0	0.1 \pm 0.0
WZ	2.6 \pm 0.3	0.8 \pm 0.1	0.2 \pm 0.0	0.0 \pm 0.0
ZZ	0.1 \pm 0.0	0.0 \pm 0.0	0.0 \pm 0.0	0.0 \pm 0.0
Single Top (s)	8.4 \pm 1.2	2.8 \pm 0.4	0.7 \pm 0.1	0.1 \pm 0.0
Single Top (t)	2.0 \pm 0.3	1.8 \pm 0.2	0.5 \pm 0.1	0.1 \pm 0.0
Z+LF	1.1 \pm 0.2	0.7 \pm 0.1	0.2 \pm 0.0	0.1 \pm 0.0
$Wb\bar{b}$	33.9 \pm 13.3	10.6 \pm 4.3	2.0 \pm 0.9	0.5 \pm 0.2
$Wc\bar{c}/Wc$	6.1 \pm 2.5	2.7 \pm 1.1	0.7 \pm 0.3	0.2 \pm 0.1
Mistags	4.3 \pm 1.0	2.6 \pm 0.7	0.7 \pm 0.2	0.2 \pm 0.1
Non- W	2.7 \pm 1.9	0.8 \pm 1.5	0.5 \pm 1.5	0.2 \pm 1.5
Total Background	61.6 \pm 16.6	23.4 \pm 7.3	5.7 \pm 3.3	1.4 \pm 1.7
SM $t\bar{t}$ (8.8 pb)	32.9 \pm 5.2	90.2 \pm 14.1	113.7 \pm 17.6	41.1 \pm 6.3
Total Prediction	94.5 \pm 17.4	113.6 \pm 15.9	119.4 \pm 17.9	42.5 \pm 6.5
Observed	107.0	118.0	115.0	44.0